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मानक

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“जानने का अधिकार, जीने का अधिकार”

Mazdoor Kisan Shakti Sangathan

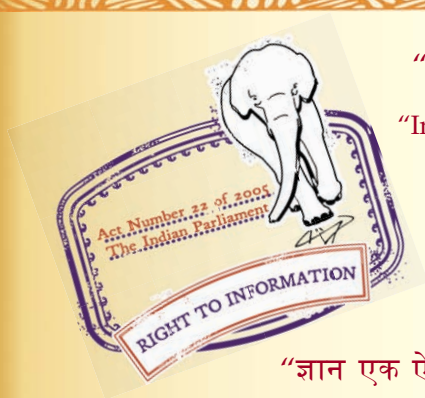
“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 5287 (2005): Alcoholic Drinks - Country Spirit
(Distilled) [FAD 14: Drinks and Carbonated Beverages]



“ज्ञान से एक नये भारत का निर्माण”

Satyanarayan Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”

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भारतीय मानक
एल्कोहलीय पेय — देशी शराब (आस्वित) — विशिष्टि
(तीसरा पुनरीक्षण)

Indian Standard
ALCOHOLIC DRINKS — COUNTRY SPIRIT
(DISTILLED) — SPECIFICATION
(*Third Revision*)

ICS 67.160.10

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BUREAU OF INDIAN STANDARDS
MANAK BHAVAN, 9 BAHADUR SHAH ZAFAR MARG
NEW DELHI 110002

FOREWORD

This Indian Standard (Third Revision) was adopted by the Bureau of Indian Standards, after the draft finalized by the Drinks and Carbonated Beverages Sectional Committee had been approved by the Food and Agriculture Division Council.

Country spirit is a alcoholic distillate obtained from fermented mash of molasses, cereals, potato, cassava, fruits, jaggery (GUR), juice/sap of coconut, palmyra and other palm trees, mahua flowers or any other source of fermentable carbohydrates, possessing distinctive aroma and taste characteristics present in the raw materials used or formed during fermentation.

This standard was published in 1969 and subsequently revised in 1978 and 1989.

This revision has been taken up in order to update the standard in the light of current industrial and trade practices. The requirements of various characteristics have been modified.

In the preparation of this standard, due consideration has been given to the: (a) *Prevention of Food Adulteration Act*, 1954 and the Rules framed thereunder; (b) *Standards of Weights and Measures (Packaged Commodities) Rules*, 1977; and (c) *State Excise Duty Rules* which permit the withdrawal of duty free samples for testing. It is recommended that sample for testing by Bureau of Indian Standards, whenever called for, may also be exempted from excise duty. The standard is subject to restrictions imposed under these Rules, wherever applicable.

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test or analysis, shall be rounded off in accordance with IS 2 : 1960 'Rules for rounding off numerical values (*revised*)'. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

AMENDMENT NO. 1 JUNE 2010
TO
IS 5287 : 2005 ALCOHOLIC DRINKS — COUNTRY SPIRIT
(DISTILLED) — SPECIFICATION

(Third Revision)

[Page 2, *clause 9.1(f)*] — Substitute ‘Net quantity; and’ *for* ‘Net volume in ml or cl; and’.

(FAD 14)

Reprography Unit, BIS, New Delhi, India

Indian Standard

ALCOHOLIC DRINKS — COUNTRY SPIRIT (DISTILLED) — SPECIFICATION (Third Revision)

1 SCOPE

This standard prescribes the requirements and the methods of sampling and test for country spirit.

2 REFERENCES

The standards listed in Annex A contain provisions, which through reference in this text, constitute provision of this standard. At the time of publication, the editions indicated were valid. All standards are subject to revision and parties to agreements based on this standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated at Annex A.

3 TERMINOLOGY

For the purpose of this standard the definitions given in IS 6749 shall apply.

4 TYPES

4.1 There shall be three types of country spirits designated as follows:

- a) Plain country spirit,
- b) Blended country spirit, and
- c) Spiced country spirit.

4.1.1 Plain Country Spirit

Plain country spirit shall be the alcoholic distillate obtained from fermented mash of molasses, cereals, potato, cassava, fruits, jaggery (GUR), juice/sap of coconut, palmyra and other palm trees, mahua flowers or any other source of fermentable carbohydrates. The distillation shall be carried out in such a way that the spirit has flavour derived from the natural volatile principles already present in the raw materials used or formed during fermentation.

4.1.2 Blended Country Spirit

Blended country spirit shall be a blend of pot-still distillate, rectified spirit of Grade I conforming to IS 323 and/or neutral spirit conforming to IS 6613; which may be obtained from fermented molasses, grain or any other source of fermentable carbohydrates.

4.1.3 Spiced Country Spirit

Spiced country spirit shall be made out of plain or blended country spirit (see 4.1.1 or 4.1.2) and flavourings with or without colour.

5 HYGIENIC CONDITIONS

Whiskies shall be manufactured under hygienic conditions (see IS 14348).

6 WATER QUALITY

Water conformity to IS 14543 or IS 13428 or IS 10500 with or without demineralization shall be used.

7 REQUIREMENTS

7.1 Ethyl Alcohol Content

The ethyl alcohol content in country spirit shall be in the range of 19.9 to 42.8 percent by volume (34.8° to 75° proof) at 20°/20°C subject to approval by State Excise Authority, when determined according to the method prescribed in 4 of IS 3752. The tolerance limits for ethyl alcohol content shall be ± 3.0 percent of the declared strength. However, the ethyl alcohol content, its tolerance and method of measurement may vary according to the Rules and Regulations prescribed by the State Excise Authority.

7.2 Freedom from Sedimentation and Harmful Ingredients

Country spirits shall be free from sediments, suspended matter and any ingredients injurious to health.

7.3 Freedom from Added Colouring Matter

Country spirits shall be free from added colouring matter except caramel conforming to IS 4467.

Natural or synthetic colours as permitted by PFA/Codex/JECFA may be used in spiced country spirit.

7.4 Taste and Aroma

Country spirits shall have the characteristic taste and aroma of country spirit. To enhance the characteristic flavour of the product, natural/natural extracts/nature identical/artificial flavour permitted under PFA/FEMA GRAS may be used.

7.5 Country spirit shall also comply with the requirements given in Table 1.

8 PACKING

8.1 Country spirits may be filled in glass bottles conforming to IS 1662 or plastic bottles made of PET conforming to IS 14537 or any other suitable neutral or non-reactive food grade containers which does not

affect its quality. The bottles or containers shall be properly sealed.

8.1.1 All new containers shall be cleaned according to 5.6.1 of IS 14348.

8.2 Used bottles shall be permitted if the cleaning is done in a hygienic way by the manufacturer as per 5.6.1.1 of IS 14348.

9 MARKING

9.1 The following particulars shall be marked legibly and indelibly on the label/crown/body of the container:

- Name and type of the material;
- Ethyl alcohol contents, in percent, by volume;
- Batch or code number;
- Month and year of packing;
- Name and address of the manufacturer;
- Net volume in ml or cl; and
- Any other markings required under the *Standards of Weights and Measures (Packaged*

Commodities) Rules, 1977, and any other statutory requirements.

NOTE — Geographical designation/names may be used on the label solely for products originating from that geographical region.

9.2 BIS Certification Marking

The product may also be marked with the Standard Mark.

9.2.1 The use of the Standard Mark is governed by the provisions of *Bureau of Indian Standards Act, 1986* and the Rules and Regulations made thereunder. The details of conditions under which the license for the use of Standard Mark may be granted to manufacturers or producers may be obtained from Bureau of Indian Standards.

10 SAMPLING

Representative samples shall be drawn and conformity of the material in the lot to the requirements of this specification shall be determined in accordance with the method prescribed in IS 3753.

Table 1 Requirements for Country Spirits
(Clause 7.5)

SI No.	Characteristic	Requirement for Country Spirit			Method of Test Ref to Clause No. of IS 3752
		Plain	Blended	Spiced	
(1)	(2)	(3)	(4)	(5)	(6)
i)	Residue on evaporation, percent (m/v), <i>Max</i>	1.0	1.0	1.0	5
ii)	Total acids as tartaric acid (expressed in terms of g/100 litres of absolute alcohol), <i>Max</i>	200	100	200	7
iii)	Volatile acids as acetic acid (expressed in terms of g/100 litres of absolute alcohol), <i>Max</i>	100	50	100	8
iv)	Esters as ethyl acetate (expressed in terms of g/100 litres of absolute alcohol), <i>Max</i>	150	100	150	10
v)	Higher alcohols as amyl alcohol (expressed in terms of g/100 litres of absolute alcohol), <i>Max</i>	250	250	350	11
vi)	Aldehydes as acetaldehyde (expressed in terms of g/100 litres of absolute alcohol), <i>Max</i>	35	35	35	12
vii)	Furfural (expressed in terms of g/100 litres of absolute alcohol), <i>Max</i>	12	12	12	13
viii)	Copper (as Cu), parts per million, <i>Max</i>	10	10	10	15
ix)	Methyl alcohol (expressed in terms of g/100 litres of absolute alcohol), <i>Max</i>	50	50	50	16

ANNEX A*(Clause 2)***LIST OF REFERRED INDIAN STANDARDS**

<i>IS No.</i>	<i>Title</i>	<i>IS No.</i>	<i>Title</i>
323 : 1959	Specification for rectified spirit (<i>revised</i>)	10171 : 1987	Guide on suitability of plastics for food packaging (<i>first revision</i>)
1662 : 1974	Specification for glass liquor bottles (<i>second revision</i>)	10500 : 1991	Drinking water (<i>first revision</i>)
3752 : 2005	Alcoholic drinks — Methods of test (<i>second revision</i>)	13428 : 1998	Packaged natural mineral water — Specification (<i>first revision</i>)
3753 : 1984	Methods of sampling for alcoholic drinks (<i>first revision</i>)	14348 : 1996	Code for hygienic conditions for alcoholic beverage industry
4467 : 1996	Caramel — Specification (<i>second revision</i>)	14537 : 1998	Polyethylene terephthalate (PET) bottles for packing of alcohol liquors — Specification (<i>first revision</i>)
6613 : 2002	Neutral spirit for alcoholic drinks — Specification (<i>first revision</i>)		
6749 : 1972	Glossary of terms relating to alcohol (ethyl) industry and trade	14543 : 2004	Packaged drinking water (other than packaged natural mineral water) (<i>first revision</i>)

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Amendments Issued Since Publication

Amend No.	Date of Issue	Text Affected

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